

Title (en)

Vehicle lamp with aspheric lenses and shades corresponding thereto

Title (de)

Fahrzeuglampe mit asphärischen Linsen und dazugehörige Blenden

Title (fr)

Lampe de véhicule avec des lentilles asphériques et des écrans d'occultation pour lesdites lentilles

Publication

**EP 0949449 B1 20060705 (EN)**

Application

**EP 99106871 A 19990407**

Priority

JP 9918698 A 19980410

Abstract (en)

[origin: EP0949449A2] There is provided a lamp (1) including a light source (2), a petaline reflector (3), and aspheric lenses (4). The petaline reflector (3) is formed of a plurality of reflecting surface units (3a) combined radially around the center axis of the light source (2). Each of the reflecting surface units (3a) is obtained by cutting, radially around the center axis (X), a portion from a spheroid (R01) having a first focal point (F1) located on the center axis (X) and adjacent the light source (2) and a second focal point (F2) located on a line passing (Y) through the first focal point (F1) and tilted appropriately from the center axis (X) such that the cut portion spans a range of 15 DEG to 60 DEG around the center axis (X). The aspheric lenses (4) are disposed to correspond to the respective second focal points (F2) of the reflecting surface units of the petaline reflector and converge reflected light beams from the respective reflecting surface units. Shades (5) for forming a light distribution pattern are disposed at the respective near-focal points of the aspheric lenses (4). <IMAGE>

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

EP1686309A1; CN104676409A; EP1835226A4; EP1243844A3; EP1628071A3; EP1686308A1; EA009340B1; US7452115B2; WO2005010430A1; EP1267116A1; FR2826098A1; US6830359B2

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